

SEQUENCE LISTING



TECH CENTER 1600/2900

JUN 24 2002

RECEIVED

<110> Lanctot, et al.

<120> Nucleic Acid Molecule, Method and Kit for Selecting a
Nucleic Acid Having A Desired Feature

<130> 2003390-0001

<140> 09/641,931

<141> 2000-08-18

<160> 45

<170> PatentIn Ver. 2.1

<210> 1

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

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ggatccaata gaggattctt taac

24

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<211> 21

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tcaccactct tctgtccctt c

21

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<400> 3

ggatcctacg aacatgcgac cactg

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<211> 21

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tcattcttcgt gtgctagtca g

21

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<211> 30

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agcgaattcg tcctgtggac agatcactgc

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gctctcgagg aaggcacagc tgctttccac

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<211> 30

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cttctcgagc agtttaaacg tgagcttccc

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acgtctagat catcttcgtg tgctagtcag

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tcgagcagat ctgcagcacc actggtcacg gcaatgtgtc ggagcgg

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ccgctccgac acattgccgt gaccagtggg gctgcagatc tgc

43

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gtgtccaagc catcagaggg gaaataaaagc atctctacgg tggtcctaaa tagtcagcat 60

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<400> 12
ccagagctca tgcggaccac tcttctgt 28

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01
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tcgcgattta aattaattaa gctt 24

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<400> 14
aagcttaatt aatttaaadc gcga 24

<210> 15
<211> 18
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<400> 15
agacgcgtag atctcacc 18

<210> 16
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<220>
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<400> 16
gatccgcacc gcaatatggc 20

<210> 17
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tctagagatg cattatgcac atcag 25

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tccaagccat cagaggggaa ataaagcatc tctacggtgg tcctaaatag tcagcatagt 60

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actatgctga ctatttagga ccaccgtaga gatgctttat ttcccctctg atggcttgga 60

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<211> 20

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tagtcagcat agtacatttc

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<210> 21

<211> 51

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ggaaataaag catctctacg gtggtcctaa atagtcagca tagtacattt catctgacta 120
atactacaac accaccacca tgaataga 148

<210> 23

<211> 18

<212> DNA

<213> Artificial Sequence

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<400> 23

gagtgggtccg catggtga

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<210> 24

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggggaatt tcgcgattta aatt

54

<210> 25

<211> 48

<212> DNA

<213> Sindbis virus

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tctgcagcac cactgggtcac ggcaatgtgt ttgctcggaa atgtgagc

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<210> 26

<211> 16

<212> PRT

<213> Sindbis virus

<220>

<223> sequence is completely synthesized

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Ser Ala Ala Pro Leu Val Thr Ala Met Cys Leu Leu Gly Asn Val Ser

1

5

10

15

<210> 27

<211> 48

<212> DNA

<213> Artificial Sequence

54

<220>

<223> sequence is completely synthesized

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tctgcagcac cactgggtcac ggcaatgtgt cggagcggaa atgtgagc

48

<210> 28

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 28

Ser Ala Ala Pro Leu Val Thr Ala Met Cys Arg Ser Gly Asn Val Ser

1

5

10

15

<210> 29

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 29

gagagagaga gagtttaaac gtcgactttt tttttttttt tttt

44

<210> 30

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 30

gctaagcttg ctatcggcgg ccgcgagaat tcgt

34

<210> 31

<211> 30

<212> DNA

<213> Artificial Sequence

55

<220>

<223> sequence is completely synthesized

<400> 31

acgaattctc gcggccgccg atagcaagct

30

<210> 32

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 32

Ser Ala Ala Pro Leu Val Thr Ala Met Cys Gly Ser Gly Asn Val Ser

1

5

10

15

<210> 33

<211> 13

<212> DNA

<213> Artifical Sequence

<400> 33

gagctcatgc gga

13

<210> 34

<211> 132

<212> DNA

<213> Mouse

<400> 34

tgacccaggg gctctgcaac acaaggagtc tgcattgtcta agtggttagag atgctcagct 60
ttgtggatac gcggactctg ttgctgcttg cagtaacttc gtgcctagca acatgccaat 120
atttgcaatc gg 132

<210> 35

<211> 222

<212> DNA

<213> Homo sapiens

<400> 35

ccacgctgtg cacaatgggt tctctgcagg caccgccgat ggggagtggt ggaggggcacg 60

54

ggctgatggc attgctgatg gccggtctta ttctgccagg aatcttggct aagagcattg 120
 ggaccctctc ggaccctgt aaggaccca cgaggatcac ctccccgaat gacccttgct 180
 tcattgaaa gactggctcc aacagcatca gcagccaagg tg 222

<210> 36
 <211> 132
 <212> DNA
 <213> Mouse

<400> 36
 agcagcgttg gcaccggcga accatggctg ggattttcta tttcatcctc ttttcgtttc 60
 tctttggaat ttgcgacgt gtcaccggtt ctagggata ccccgcaat gaagttactt 120
 tattgattc ca 132

<210> 37
 <211> 262
 <212> DNA
 <213> Mouse

cl <400> 37
 gccatttatg agacattaaa cctgaaaatg gaaaacagac tcctcagagt cttcttagtc 60
 tgggctgcc tgaccatgga tggagcatca gccaaacagg atggcctctg ggaaagcaag 120
 tccagcagt atgtttcatc ttgcctgaa gcctcgtgg agattgtggg ctctctggcc 180
 cgactgcctg atcaacagga tacagctcag gatgccagt ttgaggtaaa cagaggtttt 240
 aaggaagaag gaagcccaga ta 262

<210> 38
 <211> 36
 <212> PRT
 <213> Mouse

<400> 38
 Met Leu Ser Phe Val Asp Thr Arg Thr Leu Leu Leu Ala Val Thr
 1 5 10 15
 Ser Cys Leu Ala Thr Cys Gln Tyr Leu Gln Ser Gly Ser Ser Ser Arg
 20 25 30
 Ser Ala Ala Pro
 35

<210> 39
 <211> 78
 <212> PRT

<213> Homo sapiens

<400> 39

Met Gly Ser Ser Gln Ala Pro Arg Met Gly Ser Val Gly Gly His Gly
1 5 10 15

Leu Met Ala Leu Leu Met Ala Gly Ile Leu Pro Gly Ile Leu Ala Lys
20 25 30

Ser Ile Gly Thr Leu Ser Asp Pro Cys Lys Asp Pro Thr Arg Ile Thr
35 40 45

Ser Pro Asn Asp Pro Cys Leu Ile Gly Lys Thr Gly Ser Asn Ser Ile
50 55 60

Ser Ser Gln Gly Gly Ser Ser Ser Arg Ser Ala Ala Ser Pro
65 70 75

<210> 40

<211> 44

<212> PRT

<213> Mouse

<400> 40

Met Ala Gly Ile Phe Tyr Phe Leu Phe Ser Phe Leu Phe Gly Ile Cys
1 5 10 15

Asp Ala Val Thr Gly Ser Arg Val Tyr Pro Ala Asn Glu Val Thr Leu
20 25 30

Leu Asp Ser Arg Ser Ser Ser Arg Ser Ala Ala Pro
35 40

<210> 41

<211> 88

<212> PRT

<213> Mouse

<400> 41

Met Glu Asn Arg Leu Leu Arg Val Phe Leu Val Trp Ala Ala Leu Thr
1 5 10 15

Met Asp Gly Ala Ser Ala Lys Gln Asp Gly Leu Trp Glu Ser Lys Ser
20 25 30

Ser Ser Asp Val Ser Ser Cys Pro Glu Ala Leu Ser Leu Glu Ile Val

35

40

45

Gly Ser Leu Ala Arg Leu Pro Asp Gln Gln Asp Thr Ala Gln Asp Ala

50

55

60

Ser Val Glu Val Asn Arg Gly Phe Lys Glu Glu Gly Ser Pro Asp Arg

65

70

75

80

Ser Ser Ser Arg Ser Ala Ala Pro

85

<210> 42

<211> 309

<212> DNA

<213> Mouse

<400> 42

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 cagcctgaac gcagagcccc gaaagcagag cattcagggc aagcagagaa caccctgcag 120
 aggttttcca agaatccctc ggcattggcaa gacaaggctg tttcgggtca taccaggtaa 180
 tatccttggt cacttttgcc atcggcgta atctctgctt aggattcaca gcaagtcgaa 240
 ttaagagggc cgaatgggat gaaggacctc ccacagtgtt atctgactct ccatggacca 300
 acacatctg 309

<210> 43

<211> 114

<212> DNA

<213> Mouse

<400> 43

cagagaatga agccctgtac acaacacaac agattcaaac gaggtgttcc cttagcaagg 60
 ctgaagattc agtctcggta tttggaattt ggatgcagtc cttgtttttg gatg 114

<210> 44

<211> 64

<212> PRT

<213> Mouse

<400> 44

Met Ala Arg Gln Gly Cys Phe Gly Ser Tyr Gln Val Ile Ser Leu Phe

1

5

10

15

Thr Phe Ala Ile Gly Val Asn Leu Cys Leu Gly Phe Thr Ala Ser Arg

20

25

30

12 59

Ile Lys Arg Ala Glu Trp Asp Glu Gly Pro Pro Thr Val Leu Ser Asp
35 40 45

Ser Pro Trp Thr Asn Thr Ser Gly Ser Ser Ser Arg Ser Ala Ala Pro
50 55 60

<210> 45

<211> 45

<212> PRT

<213> Mouse

<400> 45

Met Lys Thr Cys Thr Gln His Asn Arg Phe Lys Arg Gly Val Pro Leu
1 5 10 15

Ala Arg Leu Lys Ile Gln Ser Leu Val Phe Gly Ile Trp Met Gln Ser
20 25 30

Leu Phe Leu Asp Gly Ser Ser Ser Arg Ser Ala Ala Pro
35 40 45

2560